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which I described in 1872.¹ These outcrops resemble that at Francisville, not only in the character of the materials, but also in their topographical situation and in the character of the neighboring soils, being found in most cases in the portions designated as "broken upland,"² about 300 to 400 feet above the level of the Ohio River.

The question naturally arises whether these various beds are of separate origin, or whether they are detached remnants of extensive bog deposits, stretching across the area now occupied by the river and its bottom.

The beds just described may be compared with certain masses of sand and pebbles, firmly cemented with ferric oxide, which occur in the neighborhood of Philadelphia, and are known as "Bryn Mawr gravel." These beds (as I was told by Prof. H. C. Lewis) occur on both sides of the Delaware, at an elevation of at least 400 feet above that river. The Bryn Mawr gravel, then, resembles the ochreous deposits described in this paper in the general character of the materials, the topographical situation, and the mode of occurrence; but differs in containing much coarser drift, more firmly cemented, and probably contains a less percentage of iron.

Some Philadelphia geologists regard these scattered deposits of cemented gravel as fragments of one extensive bed. Further study of the ochreous deposits described above, may yield an interesting chapter of recent geological history.

A New Mineral from Canada.—Dr. A. E. FOOTE called attention to some very peculiar olive-green crystals which he had noticed associated with the remarkable white garnet found by him in Hull, Province of Quebec, Canada. From the few tests he had applied he thought it might be new, and had sent the material to Mr. E. S. Dana for examination.

A Peculiar Twinned Garnet.—Mr. W. W. JEFFERIS exhibited a curious twinned garnet, in which the smaller crystal fitted loosely into a cavity in the larger. The smaller crystal was of lenticular shape, and could be detached from the larger one, whose dodecahedral outline it seemed to complete. He had found it at Avondale, Chester County, a locality which has furnished several hundred good crystals of garnet, from one to three inches in diameter.

¹ Geol. Survey of Ind., 1872, pp. 419, 420.

² Geol. Survey of Ind., 1872, pp. 389 and 423.